

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property Organization  
International Bureau**



**(43) International Publication Date  
2 August 2001 (02.08.2001)**

PCT

**(10) International Publication Number  
WO 01/55163 A1**

(51) International Patent Classification <sup>7</sup> :	C07H 21/02, 21/04, C07K 5/00, 14/00, C12Q 1/68, C12P 21/06, C12N 1/20, 15/63, 5/00	60/226,868 60/227,182 60/226,681 60/227,009 60/228,924 60/229,344 60/229,343 60/229,287 60/229,345 60/229,513 60/229,509 60/230,438 60/230,437 60/231,413 60/232,080 60/231,414 60/231,244 60/232,081 60/231,242 60/231,243 60/231,968 60/232,401 60/232,399 60/232,400 60/232,397 60/233,063 60/233,064 60/233,065 60/232,398 60/234,223 60/234,274 60/234,997 60/234,998 60/235,484 60/235,834 60/235,836 60/236,369 60/236,327 60/236,370 60/236,368 60/236,367 60/237,039 60/237,038 60/237,040 60/237,037	22 August 2000 (22.08.2000) 22 August 2000 (22.08.2000) 22 August 2000 (22.08.2000) 23 August 2000 (23.08.2000) 30 August 2000 (30.08.2000) 1 September 2000 (01.09.2000) 1 September 2000 (01.09.2000) 1 September 2000 (01.09.2000) 1 September 2000 (01.09.2000) 1 September 2000 (01.09.2000) 5 September 2000 (05.09.2000) 5 September 2000 (05.09.2000) 6 September 2000 (06.09.2000) 6 September 2000 (06.09.2000) 8 September 2000 (08.09.2000) 8 September 2000 (08.09.2000) 8 September 2000 (08.09.2000) 8 September 2000 (08.09.2000) 8 September 2000 (08.09.2000) 12 September 2000 (12.09.2000) 14 September 2000 (14.09.2000) 14 September 2000 (14.09.2000) 21 September 2000 (21.09.2000) 21 September 2000 (21.09.2000) 25 September 2000 (25.09.2000) 25 September 2000 (25.09.2000) 26 September 2000 (26.09.2000) 27 September 2000 (27.09.2000) 27 September 2000 (27.09.2000) 29 September 2000 (29.09.2000) 29 September 2000 (29.09.2000) 29 September 2000 (29.09.2000) 29 September 2000 (29.09.2000) 29 September 2000 (29.09.2000) 2 October 2000 (02.10.2000) 2 October 2000 (02.10.2000) 2 October 2000 (02.10.2000) 2 October 2000 (02.10.2000)
(21) International Application Number:	PCT/US01/01358		
(22) International Filing Date:	17 January 2001 (17.01.2001)		
(25) Filing Language:	English		
(26) Publication Language:	English		
(30) Priority Data:			
60/179,065	31 January 2000 (31.01.2000)	US	
60/180,628	4 February 2000 (04.02.2000)	US	
60/184,664	24 February 2000 (24.02.2000)	US	
60/186,350	2 March 2000 (02.03.2000)	US	
60/189,874	16 March 2000 (16.03.2000)	US	
60/190,076	17 March 2000 (17.03.2000)	US	
60/198,123	18 April 2000 (18.04.2000)	US	
60/205,515	19 May 2000 (19.05.2000)	US	
60/209,467	7 June 2000 (07.06.2000)	US	
60/214,886	28 June 2000 (28.06.2000)	US	
60/215,135	30 June 2000 (30.06.2000)	US	
60/216,647	7 July 2000 (07.07.2000)	US	
60/216,880	7 July 2000 (07.07.2000)	US	
60/217,487	11 July 2000 (11.07.2000)	US	
60/217,496	11 July 2000 (11.07.2000)	US	
60/218,290	14 July 2000 (14.07.2000)	US	
60/220,963	26 July 2000 (26.07.2000)	US	
60/220,964	26 July 2000 (26.07.2000)	US	
60/225,757	14 August 2000 (14.08.2000)	US	
60/225,270	14 August 2000 (14.08.2000)	US	
60/225,447	14 August 2000 (14.08.2000)	US	
60/225,267	14 August 2000 (14.08.2000)	US	
60/225,758	14 August 2000 (14.08.2000)	US	
60/225,268	14 August 2000 (14.08.2000)	US	
60/224,518	14 August 2000 (14.08.2000)	US	
60/224,519	14 August 2000 (14.08.2000)	US	
60/225,759	14 August 2000 (14.08.2000)	US	
60/225,213	14 August 2000 (14.08.2000)	US	
60/225,266	14 August 2000 (14.08.2000)	US	
60/225,214	14 August 2000 (14.08.2000)	US	
60/226,279	18 August 2000 (18.08.2000)	US	

[Continued on next page]

WO 01/55163 A1

**(54) Title: NUCLEIC ACIDS, PROTEINS, AND ANTIBODIES**

**(57) Abstract:** The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.